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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/009,443	04/10/2002	Nouri Allahwerdi	59643.00716	2401
32294 7590 06/13/2007 SQUIRE, SANDERS & DEMPSEY L.L.P. 14TH FLOOR 8000 TOWERS CRESCENT TYSONS CORNER, VA 22182			EXAMINER LEE, CHI HO A	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 06/13/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/009,443

Applicant(s)

ALLAHWERDI, NOURI

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 12 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-22 and 98 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22, 98 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

ANDREW C. LEE  
PRIMARY PATENT EXAMINER

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 5, 6, 8-10, 12, 13, 16, 18-20, 22 and 98 are rejected under 35 U.S.C. 102(e) as being anticipated by Farris et al U.S. Patent Number 6,721,306.

Re Claims 1, 98, figure 2 teaches a LAN card (a first interface) configured to communicate with LAN 70 supporting (See col. 15, lines 46 +) TCP/IP (a first IP base network) for receiving/transmitting signals and offers PBX capabilities (a private computer based network comprising wireless capabilities) to enable communication with PC 79 (a cellular communication terminal) and terminal 1 (a wireless user) without any signaling occurring externally of LAN 70 (PBX capability); further includes a T1 card 77 (a second interface) configured to communicate with Internet (a second IP network), See fig. 1: 31, for communicating with terminals outside the Wireless Gateway System

5.

Re Claims 5, 22, refer to Claim 1, wherein T1 card 77 supports TCP/IP.

Re Claim 6, refer to Claim 1, wherein WGS 5 communicates with PSTN gateway 45 (a gateway element).

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Re Claim 8, refer to Claim 1, wherein fig. 1 is a system.

Re Claim 9, refer to Claim 1, wherein WGS 5 is coupled to a router (a border gateway).

Re Claim 10, refer to Claim 1, wherein the WGS 5 coupled to the router via tunnel (See col. 4, lines 10-19).

Re Claim 12, refer to Claim 1, wireless part.

Re Claim 13, refer to Claim 1, further teaches a GSM (See col. 7, lines 28-35).

Re Claims 16, 18, 19, further teaches a HLR server 33 (a register for storing information related to user) coupled to WGS 5 for storing configuration info..

Re Claim 20, refer to Claim 1, wherein WGS gateway (a signaling gateway) modifies the signals to be compatible with the Internet 31 and vice versa.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2, 3, 4, 7, 11, 14, 15, 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Farris et al U.S. Patent Number 6,721,306 in view of Gilchrist et al U.S. Patent Number 7,042,855.

Re Claims 2, 3, 14, 15, Farris teaches that LAN interface supports TCP/IP but fails to explicitly teach a tunneling protocol to communicate with LAN 70 (the first IP based network). However, Gilchrist et al teaches a corporate Intranet, analogous to

WGS 5 of Farris, supporting GPRS tunneling to enable communication with private in-building network. One skilled in the art would have been motivated by Gilchrist et al to modify Farris to support GPRS tunneling to enable private networking application.

Re Claim 4, one skilled in the art would have been motivated to modify the public packet network in Farris to interconnect with a known wireless packet network as taught by Gilchrist et al.

Re Claims 7, 17, one skilled in the art would have been motivated to know LDAP protocol to communicate with IP base network.

5. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Farris et al U.S. Patent Number 6,721,306 in view of Vaisanen et al U.S. Patent Number 6,560,443.

Re Claim 21, Farris et al fails to explicitly teach a dual mode terminal to support WLAN and GPRS. However, Vaisanen teaches a dual mode terminal supporting WLAN and cellular networks. One skilled in the art would have been motivated by Vaisanen to modify the terminal in Farris with the dual mode terminal in Vaisanen for adaptability.

### ***Response to Arguments***

6. Applicant's arguments with respect to claims 1-22, 98 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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ANDREW C. LEE  
PRIMARY PATENT EXAMINER

